

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 9	
2. AMENDMENT/MODIFICATION NO. 0495		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352		CODE 893040		5. PROJECT NO. (If applicable) 00603	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Bechtel National, Inc. Attn: RENEE TUCKER 12011 Sunset Hills Rd Ste 110 Reston VA 201905919		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 089176176		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC27-01RV14136	
				10B. DATED (SEE ITEM 13) 12/11/2000	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE X	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. Clause I.117, DEAR 970.5204-78 Laws, Regulations, and DOE Directives
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

See following page(s)

Payment:

OR for ORP

U.S. Department of Energy

Oak Ridge Financial Service Center

P.O. Box 4307

Oak Ridge TN 37831

Period of Performance: 12/11/2000 to 12/31/2022

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Katie A. Mair	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 11/10/2020

Previous edition unusable



**Purpose of Modification:**

1. The purpose of this modification is to revise Section J, List of Attachments, Attachment E, List of Applicable Directives, paragraph (b) to add DOE O 486.1A, CRD – Foreign Government Sponsored or Affiliated Activities, as provided in the notice of intent letter 20-CPM-0131, dated November 2, 2020. The table in paragraph (b) is also revised to put the DOE O CRD's in numerical order.

**Description of Modification:**

1. The table in paragraph (b) in Section J, *List of Attachments*, Attachment E, *List of Applicable Directives*, is deleted in its entirety and replaced in full as follows:

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
<del>06-AMD-050</del> (CCN 144548)		DELETED (310)	
		Deleted (376)	
DOE/EM-0093	12/96	Waste Acceptance Product Specifications for Vitrified High-Level Waste Forms (WAPS), Revision 2 (114)	Contract Clause C.8, Specification 1, 1.2.1.4 and 1.2.2.1.1(175)
DOE/RL-94-02, Rev 6 (336)	06/2014 (336)	Hanford Emergency Management Plan (197, 310) (Revision 6, June 2014) (336)	Contract Clause C.6, Standard 4(j) and Standard(e)(1) Table S7-1 (175, 197, 336)
DOE M 140.1-1B, CRD	03/30/01	Interface with Defense Nuclear Facilities Safety Board.	Contract Clause C.4 (d) (175)
DOE O 142.3A, CRD	10/14/10	Unclassified Foreign Visits and Assignments Program (047, 124, 204)	The order is effective regardless of comment above at (b) (175)
DOE O 151.1C, CRD	11/02/05	Comprehensive Emergency Management System (310)	Implemented in accordance with DOE/RL-94-02
DOE O 205.1B, Change 2, CRD	12/07/12	Cyber Security Program (387)	Effective with Modification No. 384 and implemented in accordance with CCN: 266220 (14-WTP-0011), Attachment 1, "CRD 205.1B, Chg 2 (Supplemented Rev. 0)" and CCN: 267962 (14-WTP-0051). (387).
<del>DOE M 205.1-2</del>		DELETED (175)	
<del>DOE M 205.1-5, CRD</del>		DELETED (194)	
<del>DOE M 205.1-6, CRD</del>		DELETED (194)	
<del>DOE M 205.1-7,</del>		DELETED (194)	

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
<del>CRD</del>			
<del>DOE M 205.1-8, CRD</del>		DELETED (194)	
DOE O 206.1, CRD	01/16/09	DOE Privacy Program (235)	The order is effective regardless of comment above at (b). Contractor shall implement in accordance with CCN: 231161(321)
DOE O 206.2, CRD, Supplemented Rev. 1 (425)	02/19/13	Identity, Credential, and Access Management (307)	The order is effective regardless of comment above at (b) (307)
DOE O 210.2A, CRD	04/8/11	DOE Corporate Operating Experience Program (077, 310)	Contract Clause H.49 (175) Refer to Note 10 (310)
<del>DOE O 221.1A, CRD</del>		DELETED (467)	
DOE O 221.1B, CRD	09/27/16	Reporting Fraud, Waste and Abuse to the Office of Inspector General (467)	<del>Refer to Note 3 (467)</del>
DOE O 221.2A, CRD	02/25/08	Cooperation with the Office of Inspector General (133)	Refer to Note 3 (175)
DOE O 225.1B, CRD	03/04/11	Accident Investigations (310)	Refer to Note 9 (310)
DOE O 226.1B, CRD	04/25/11	Implementation of Department of Energy Oversight Policy (069, 108, 310)	Contract Clause H.46 (175) Refer to Note 11 (310)
DOE O 231.1B, CRD (363)	6/27/2011	Environment, Safety, and Health Reporting (033, 310)	Contract Clause C.6, Standard 1(d)(6) (175, 310)
<del>DOE M 231.1-1A, Change 2, CRD</del>		DELETED (332)	
<del>DOE M 231.1-2, CRD</del>		DELETED (256)	
<del>SCRD M 231.1-2</del>		DELETED (256)	

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE Order 232.2A, CRD <b>(406)</b>	9/29/2017	Occurrence Reporting and Processing of Operations Information <b>(406)</b>	Contract Clause C.6, Standard 1(d)(5) and (6). <b>(406)</b>
OOD-ORP-PPD-OAA-50136, Appendix C <b>(476)</b>	07/22/2019	Facility Representative Contractor Requirements Document <b>(476)</b>	
<del>CRD O 232.2A (Supplemented Rev.0)</del> <b>(406)</b>	9/29/2017	<del>Environmental Management Contractor Requirements Document (Supplemented DOE O 232.2A), Occurrence Reporting and Process of Operations Information</del> <b>(406)</b> DELETED <b>(476)</b>	<del>Contract Clause C.6, Standard 1(d)(5) and (6).</del> <b>(406)</b>
<del>SCRD DOE Order 232.2A</del> <b>(406)</b>	9/29/2017	<del>ORP Supplemental Contractor Requirements Document (SCRD), for DOE Order 232.2A, Occurrence Reporting and Processing of Operations Information</del> <b>(406)</b> DELETED <b>(476)</b>	<del>Contract Clause C.6, Standard 1(d)(5) and (6).</del> <b>(406)</b>
<del>HFID 232-1B</del>		DELETED <b>(256)</b>	
<del>DOE N 234.1, CRD</del>		DELETED <b>(310)</b>	
<del>DOE O 241.1, CRD</del>		DELETED <b>(310)</b>	
DOE/RW-0333P	10/01/08	Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program (QARD) – Revision 20 <b>(099, 134)</b>	Contract Clause C.6, Standard 2(a)(2)(v), Standard 5(d), and Standard 7(e)(3)(ii)(A) and Contract Clause C.8, Specification 1, 1.2.1.7, 1.2.2.1.1, and 1.3 <b>(175)</b>
DOE O 350.1, Chg 3, CRD	02/23/10	Contractor Human Resource Management Program <b>(171, 175)</b>	Contract Clause H.37 <b>(175)</b>
DOE/RW-0351	5/31/07	Waste Acceptance System Requirements Document– (WASRD) - Revision 5 <b>(114)</b>	Contract Clause C.6, Standard 2(a)(3)(vii)(E) and Standard 6(c)(2) and Contract Clause C.8, Specification 1, 1.2.1.3 and 1.2.2.1.1 <b>(175)</b>
<del>DOE O 413.3A, CRD</del>		DELETED <b>(271)</b>	
<del>DOE M 413.3-1</del>		DELETED <b>(271)</b>	

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE O 413.3B, CRD	11/29/10	Program and Project Management for the Acquisition of Capital Assets. Refer to Note 7 for implementation <b>(271)</b>	Contract Clause C.3, paragraph (b), subparagraph (1), item (ix), C.6, Standard 1, opening paragraph, (a), (b)(3) and (c)(1) and Standard 5(a)(6) and (k)
DOE O 414.1C, CRD	06/17/05	Quality Assurance <b>(066)</b>	Contract Clause C.6, Standard 7(e)(3)(i) & (iv) <b>(175)</b>
DOE 414.1D, CRD, Chg 1	05/08/13	Quality Assurance <b>(349)</b>	The order is effective regardless of comment above at (b) and implemented in accordance with Note 14 <b>(349)</b>
DOE O 420.1C, CRD, Chg 1, Chapter V	02/27/15	Facility Safety (Partial Implementation Only Chapter V. Cognizant System Engineer Program) <b>(369)</b>	The order is effective regardless of comment above at (b) Implemented for LBL commissioning only in accordance with CCN: 276975
DOE O 422.1, Change 1, CRD	06/25/13	Conduct of Operations <b>(207)(387)</b>	Effective with Modification No. 384 and implemented in accordance with CCN: 276479. <b>(387)</b>
DOE-0223	Effective the date of Modification No. 384	RL Emergency Plan Implementing Procedures <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE-0336	9/15/2011	Hanford Site Lockout/Tag out <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE-0343	3/26/2013	Hanford Site Wide Stop Work Order Procedure <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE-0346		Hanford Site Fall Protection Program (HSFPP) <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE-0352	11/14/2012	Hanford Site Respiratory Protection Program (HSRPP) <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE-0355		Hanford Standardized HAZWOPER Training Program Description <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE-0359	11/14/2012	Hanford Site Electrical Safety Program <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE-0360		Hanford Site Confined Space Procedure <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE O 425.1D, Chg 1, CRD	04/16/10	Verification of Readiness to Start Up or Restart Nuclear Facilities <b>(033, 190, 310)</b>	Contract Clause C.6, Standard 5(a)(5), (c)(6), (e)(2), (f)(ii), and (g) <b>(175, 310)</b> Contractor shall implement in accordance with CCN: 281821 <b>(363)</b>

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE O 426.2, CRD	04/21/10	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities <b>(310)</b>	Contract Clause C.3(f)(6) <b>(321)</b> Refer to Note 8 <b>(310)</b>
DOE O 433.1B, CRD Admin Chg 1	<del>04/21/10</del> 03/12/13	Maintenance Management Program for DOE Nuclear Facilities <b>(342)</b>	This order is effective regardless of comment above at (b). <b>(342, 387)</b>
DOE O 435.1, Chg 1, CRD	08/28/01	Radioactive Waste Management	Implementation of this DOE CRD using the graded approach; approved by 05-WED-047; CCN: 136281 satisfies the comment above at (b) <b>(130, 175, 278)</b>
DOE M 435.1-1	07/09/99	Radioactive Waste Management Manual	Contract Clause C.8, Specification 2, 2.2.1.13, 2.2.2.23, & 2.4 <b>(175)</b>
DOE M 441.1-1, CRD	03/07/08	Nuclear Material Packaging	The manual is effective regardless of comment above at (b) <b>(130, 175)</b>
DOE O 442.1B	01/31/19	Department of Energy Employee Concerns Program <b>(490)</b>	Contractor shall implement in accordance with CCN: 319207 <b>(490)</b>
DOE O 442.2, Chg 1, CRD	10/05/16	Differing Opinions for Technical Issues Involving Environment, Safety, and Health <b>(271, 440)</b>	The order is effective regardless of comment above at (b) and implemented as described in CCN: 246747
<del>DOE O 442.1A &amp; Supplemented Rev. 3 CRD</del>		DELETED <b>(490)</b>	
<del>DOE M 442.1-1 CRD</del>		DELETED <b>(271)</b>	
<del>DOE M 450.4-1, CRD</del>		DELETED <b>(310)</b>	
DOE O 458.1, Chg. 2		Radiation Protection of the Public and the Environment <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE M 470.4-1, CRD	08/26/05	Safeguards and Security Program Planning and Management <b>(136, 171)</b>	Refer to Note 1 <b>(175)</b>
<del>DOE M 470.4-2A, CRD</del>		DELETED <b>(310)</b>	
DOE M 470.4-4A	01/16/09	Information Security Manual <b>(145)</b>	Refer to Note 2 <b>(175)</b>
DOE O 471.3, CRD	4/9/03	Identifying and Protecting Official Use Only Information <b>(087)</b>	Contract Clause H.50 <b>(175)</b>
DOE M 471.3-1, Chg 1, CRD	4/9/03	Manual for Identifying and Protecting Official Use Only Information <b>(087, 310)</b>	Contract Clause H.50 <b>(175)</b> Refer to Note 12 <b>(310)</b>

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE O 473.3, CRD	06/29/11	Protection Program Operations <b>(310)</b>	The order is effective regardless of comment above at (b)
DOE O 475.1, CRD	12/10/04	Counterintelligence Program <b>(071)</b>	Contract Clause C.6, Standard 8(c) <b>(175)</b>
<b>DOE O 486.1A, CRD</b>	<b>09/02/2020</b>	<b>Foreign Government Sponsored or Affiliated Activities (495)</b>	<b>The order is effective regardless of comment above at (b)</b>
DOE O 551.1D, CRD	04/02/12	Official Foreign Travel. Refer to Note 4 <b>(141, 175, 283)</b>	Contract Clause I.109 <b>(175)</b> . Implemented in accordance with CCN: 243970, and 12-WTP-0272 (CCN: 251792) and Note 4 <b>(283, 363)</b>
DOE/RW-0511, Volume I, Rev. 4	03/07/08	Integrated Interface Control Document (ICD), High-Level Radioactive Waste and U.S. Department of Energy and Naval Spent Nuclear Fuel to the Civilian Radioactive Waste Management System <b>(114)</b>	Contract Clause C.8, Specification 1, 1.2.1.5 and 1.2.2.1.1 <b>(321)</b>
DOE-HDBK-1092-2004, Appendix A	12/2004	DOE Electrical Safety Handbook. Refer to Note 6 <b>(209)</b>	The order is effective regardless of comment above at (b)
<del>RL/REG-2000-04</del>		DELETED <b>(215)</b>	
<del>DOE/ORP-2000-06</del>		Deleted through Contract Modification No. M082 <b>(175)</b>	
<del>DOE STD-3009</del>		DELETED <b>(310)</b>	
<del>DOE O 5480.20A, Change 1, CRD</del>		DELETED <b>(310)</b>	
SCSP	05/9/06	Richland Regional Office Site Counterintelligence Support Plan Hanford Site - Bechtel National, Inc. (BNI) <b>(071)</b>	Contract Clause C.6, Standard 8(c) <b>(175)</b>
<del>DOE-0364</del>		DELETED <b>(366)</b>	
HNF-EP-0063	02/01/11	Hanford Site Solid Waste Acceptance Criteria <b>(310)</b>	The order is effective regardless of comment above at (b)
DOE/RL-92-36 Rev 1, Release 84	<del>11/18/14</del> 03/04/20	Hanford Site Hoisting and Rigging Manual <del>(342)</del> <b>(476)</b>	The order is effective regardless of comment above at (b) <del>and implemented in accordance with Note 13</del>

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE/RL-2001-36, Rev 1E, Appendix I.7	05/01/11	Immobilized low-activity waste (ILAW) Special Packaging Authorization of the Hanford Sitewide Transportation Safety Document <b>(310)</b>	Implemented per C.8, Specification 2, 2.2.1.21 and 2.2.2.10 <b>(293)</b>
DOE/RL-2002-12		Hanford Radiological Health and Safety Document <b>(384)</b>	Implemented in accordance with 16-CPM-0072
DOE-STD-3009	1994	Preparation Guide for DOE Nonreactor Nuclear Facility Safety Analysis Reports (Change Notice 3, March 2006) <b>(029, 152, 321)</b>	<del>Contract Clause C.6, Standard 9, paragraph 2 <b>(321)</b></del> DELETED <b>(472)</b>
DOE-STD-1228	2019	Preparation of Documented Safety Analysis for Hazard Category 3 Nuclear Facilities <b>(472)</b>	Contract Clause C.6, Standard 9, paragraph 2 <b>(472)</b>
DOE-HDBK-1092-2013, Appendix D	07/2013	DOE Electrical Safety Handbook. Refer to Note 15 <b>(353)</b>	The order is effective regardless of comment above at (b)
DOE-STD-1195	09/2016	Design of Safety Significant Safety Instrumented Systems Used at DOE Non-Reactor Nuclear Facilities <b>(384)</b>	Implement clause 11.4 (inclusive of subclauses 11.4.1 through 11.4.9) of International Electrotechnical Commission (IEC) standard 61511-1 (Edition 2.0) concurrent with DOE-STD-1195-2011 as a means of achieving Safety Integrity Level – 2 (SIL-2) for low demand simple Safety Instrumented Functions without requiring redundancy, particularly with respect to final control devices such as valves. <b>(384)</b>

2. All other terms and conditions remain unchanged.

**(End of Modification)**